The following are questions that have been asked on Solicitation AAI070900-09-003

Q. Please can you tell us whether a prime focus configuration reflector is what you are looking for as your RFQ does not specify this?

A. **A six meter reflector is required to replace an existing 5 meter reflector. The existing RPM pedestal and feed will be reutilized.**

Q. If yes, what surface RMS value (hence operating frequency) is required?

A. **The operation frequency range is 225 to 800 mHz.**

Q. What sort of feed interface is needed?

A. **The existing 225 to 800 mHz LP feed shall be reutilized. The vender shall be required to remount the feed on the new 6 meter dish.**

Q. Do you need us to offer a standard type C or Ku band feed with this?

A. **No.**

Q. The NRE requested for interfacing the new reflector --- is to interface to what?

A. **To an existing RPM pedestal.**

Q. The 2 feet high riser is also to interface to what?

A. **The existing RPM pedestal will need a 2 foot (approximate) riser to clear an existing safety railing.**

Q. Is there a requirement for the reflector rms value?

A. **The gain of the new reflector shall be optimized for the existing 225 – 800 mHz LP feed.**

Q. Can you provide the GFE feed mounting/dimension/weight information before the quote due date? This would allow for better feed/spar mounting design NRE estimates.

A. **See attached drawing.**

Q. Only one feed, at the focal point? Or, is a second feed to be located at the vertex?

A. **There shall be only one vertically polarized 225 to 800 mHz LP feed.**

Q. Is it acceptable to build an elliptically trimmed antenna providing the same or more area than a 6 meter antenna? To save the government money, we would propose to use existing tooling to build a reflector that is up to 8 meters by up to 4.6 meters: Benefits: It may be placed with the wide dimension horizontally to eliminate the necessity for an extender. It may be placed with the wide dimension vertically to decrease the moment of inertia and wind loading effects on the pedestal. Time to completion would be decreased. The price would be decreased.

A. **NO**

Q. Is there a requirement to tune the servo system after the antenna has been installed?

A. **YES**

Q. If so, what controller is currently being used?

A. EMP (ACU-21)

Q. What are the new wind and velocity/acceleration specifications?

A. **30 knots with Velocity of 20 degrees/sec and Acceleration of 20 degrees/sec/sec**